

SCOTT DORMAN

Microsoft MVP, Software Architect, Developer, Author

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ABOUT

I've worked with computers professionally since 1993. Although my primary focus is commercial software applications, I enjoy building infrastructure components and reusable shared libraries. I help companies define, develop, and automate processes, code standards, and guidelines.

SKILLS

Software Development

- API components and class libraries
- Development lifecycle
- Management
- Technical architecture

Programming Languages/Frameworks

- .NET, ASP.NET/MVC, Bootstrap, C#, HTML/CSS, JavaScript/jQuery
- SQL Server

AWARDS AND CERTIFICATIONS

Microsoft MVP – Visual C#	2008 - 2020
MCPD – Windows Desktop Development	2007

EXPERIENCE

DevEvolved 4/2015 – Current

Started DevEvolved to provide high-quality, cutting-edge software using modern design principles, clean code, and straightforward solutions. Responsible for all aspects of software development and client management.

Software Architect/Developer – Siemens (4/2015 – Current)

`c# sql-server user-interface user-experience jquery javascript ajax css less twitter-bootstrap-3 bootstrap-4 html asp.net-mvc agile scrum architecture`

I acted as the software architect and developer to rewrite a bonus compensation management system from Access to a SQL Server back-end running a web-based front-end. Siemens US, Siemens Canada, Siemens Healthineers, and numerous other smaller subsidiary companies use this multi-national application for managing bonus compensation, planning, auditing, and reporting. Responsibilities included legacy system and business process analysis, system architecture and technical design, application and database development, and team training.

Senior Architect/Lead Developer – HiQuest (4/2020 – Current)

`c# user-interface user-experience jquery javascript css bootstrap-4 html asp.net-mvc agile scrum architecture ping identity ciam`

I acted as a solutions architect and developer working on Customer Identity and Access Management (CIAM) solutions using the Ping Identity infrastructure. Responsibilities included architecting and developing custom user interface flows and a C# API wrapper library for the Ping Identity endpoints. I also provided technical assistance to companies integrating Ping Identity solutions into legacy code bases.

InfernoRed Technology

5/2014 – 4/2015

Senior Software Developer

c# xaml windows-universal windows-runtime windows-phone-8.1 windows-store-apps jquery javascript ajax css less twitter-bootstrap-3 html asp.net-mvc agile scrum architecture

I acted as a senior-level developer and team lead on a loan portfolio analysis website and on porting an existing iOS app to a Windows universal app. Responsibilities included technical design and architecture, system development, and technical mentoring/assistance to other team members.

Accusoft

1/2013 – 5/2014

Senior Software Developer

c# jquery javascript ajax css less twitter-bootstrap-3 twitter-bootstrap-2 html asp.net-mvc agile scrum architecture

I was responsible for redesigning and rebuilding the company's outward-facing customer portal using ASP.NET MVC, which included a custom membership provider integrated with the SalesLogix CRM application. I developed a new customer-facing invoice payments system to provide PCI compliance and a new e-commerce system integrated with the SalesLogix CRM application. I also developed a web-based sales opportunity component for SalesLogix that replaced the out-of-box experience with a customized experience tailored to our sales team's work.

Serve/American Express (TEKSystems)

7/2012 – 9/2012

Senior Software Engineer

c# sdlc code-review architecture

I helped document the internal customer service tools for the American Express Software Architecture Review group. Participated in weekly technical lead discussions on software development lifecycle improvements and process implementations. I also performed code reviews before code check-in and migration between application environments (development, QA, UAT). I assisted in day-to-day troubleshooting and product release troubleshooting.

BST Global

1/2007 – 6/2012

Senior Software Developer/System Architect (10/2010 – 6/2012)

c# wcf api agile scrum architecture code-review project-management

I acted as a senior software developer, team lead, and system architect for the platform API team. This platform API consisted of a core API and a set of WCF Windows services used by the design tools and the desktop client. Responsibilities included reviewing the architecture of the existing legacy code base and simplifying the public API interface. I ensured the API performed responsively, developed and approved architecture design for new features, developed core API components, and acted as a mentor to other team members.

Senior Software Developer (1/2007 – 10/2010)

c# vb.net wcf xaml wpf winforms xml xslt msbuild cruisecontrol.net jira agile scrum architecture

I acted as the primary developer for the "Design Studio" suite of tools for the next release of the BST Enterprise project. These tools allowed a business analyst to visually develop XML-based "models" for business entities, security primitives, and workflows that made up the application's core business data layer. These tools used WCF services to communicate and interact with a set of Windows services to validate and publish the model information into the database. The primary design tool was written in C# 4.0 using Windows Forms.

I also developed a consistent automated continuous integration build process using CruiseControl.NET and MSBuild. This build process customized the CruiseControl.NET installation, adding extensions and custom XSL

stylesheets to format the build email and web dashboard reports. It also developed MSBuild extensions and standard target files.

I helped establish the Jira workflow used for issue tracking throughout the product lifecycle. I also assisted in developing custom integration between CruiseControl.NET, Team Foundation Server (TFS), and Jira to provide relationships between Jira issues, TFS work items (for check-in policies), and builds.

Sunbelt Software

9/2004 – 12/2006

Senior Architect/Lead Developer - Network Security Inspector (8/2006 – 1/2007)

[This change resulted from an organizational change in the company that consolidated several management positions into two Director of Development positions.]

c# winforms user-interface user-experience xml architecture

I acted as a senior-level developer and team lead for the SNSI 2.0 release, which was ported to C# 2.0 (from C++) using a web-services-based vulnerability scan engine. Managed all aspects of this product, including the requirements definition, marketing description, user interface design, and technical architecture and implementation.

Application Development Manager – Network Security Tools (10/2005 – 8/2006)

c# c++ winforms user-interface user-experience xml architecture project-management code-review architecture

I initiated the move to C# 2.0 by porting the Sunbelt shared code library to C# 2.0. I refactored the code base to take advantage of the newer language features, such as generics. Also incorporated additional classes into the library that had previously been isolated to individual products or reused at the source code level.

I managed a team of 5 developers, 4 remote (3 in India and 1 in Spain), which consolidated all Sunbelt network security tools development to a single team. These tools included the Sunbelt Network Security Inspector (SNSI), LanHound *[this product was sold to another company]*, and the Sunbelt Personal Firewall.

I helped architect and design the next releases of all network security tools products, including writing and contributing to product requirement documents, writing and contributing to product technical requirement documents, writing and contributing to product testing requirements documents, tracking development timelines, negotiating features, and controlling the change management process.

Senior Architect/Lead Developer – CounterSpy Enterprise (9/2004 – 10/2005)

c# winforms soap cruisecontrol.net nant code-analysis code-standards architecture

I acted as a senior-level developer and team lead through 3 releases of the CounterSpy Enterprise anti-spyware product. CounterSpy Enterprise is a 3-tier enterprise-ready application built using C# Windows services and Windows Forms applications, C++ Windows services, MFC applications, and Visual Basic 6 components (DLLs and executables).

Responsibilities included system technical design and architecture, integration with other Sunbelt technologies (including the Sunbelt Spyware SDK), system development, and technical mentoring/assistance to other team members.

I helped implement software development lifecycle methodologies, including the development and documentation of formal code style and quality standards, standard code reviews, and design reviews, including static code analysis using FxCop.

I developed a consistent automated continuous integration build process using CruiseControl.NET and NANT shared across three development teams. This process included customizing the CruiseControl.NET installation to add custom extensions to CruiseControl.NET and custom XSL stylesheets to format the build email and web dashboard reports.

Application Services Manager (5/2003 – 9/2004)

c# asp.net webforms javascript css html architecture user-interface user-experience project-management code-review code-standards

I established and managed an application development team of 5 developers to implement the next major release of the ODAR application. I redesigned the application's architecture to follow an Accounts Receivable (AR) system more closely. I consolidated all applications under a single umbrella that followed a framework model written in C# that served as the application run-time library. That framework supported a business layer shared across all the application layers. It supported multiple application interfaces, including ASP.NET WebForms, traditional Client/Server applications, and C# based Windows Services.

Senior Application Developer (9/2002 – 5/2003)

c# vb6 vb.net asp.net webforms javascript css html dhtml xml xslt xpath db2 sql-server user-interface user-experience architecture

I acted as a senior-level developer and team lead on a series of applications to provide a claims management system for the Audit and Recovery Operations (ARO) department to track overpayments and recoveries and generate letters requesting refunds to support an approximate annual target of \$225M by ARO.

The web application used ASP, extensive DHTML and CSS to implement a standard Windows GUI interface, VB COM+ components, XML, XSL, and XPATH queries. The database was migrated from IBM DB2 on Windows 2000 to SQL Server 2000 on a clustered Windows 2000 server.

In addition to the web-based application, a supporting VB 6 application was rewritten as a Windows Service using VB.NET to provide multi-threading capabilities and then rewritten to C#.

In December 2002, this application was launched nationally across all UnitedHealth ARO departments and was considered a commercial application.

Connexions.Net

10/2001 – 8/2002

Senior Application Developer

vb6 asp-classic javascript css html xml xslt xpath sql-server-2000 user-interface user-experience architecture project-management code-review code-standards

I acted as a senior-level developer and team lead on projects utilizing ASP, VB COM+ components, XML, XSL, and XPATH queries, SQL 2000 databases, SharePoint Portal Server, E-Gain, ASPECT voice systems integration (CTI), Call-Center CRM applications, fulfillment/shipping/warehouse integration (Pack/Verify systems, inventory management systems, and order management systems).

Responsibilities included technical design and architecture, system development, and technical mentoring/assistance to other team members. I also ensured the project stayed within budget (hours), risk reduction, project and resource scheduling, and managed client expectations.

I provided on-call support to Network Services for development support on production client problems. Provided technical assistance to application support and assisted with RFQ/RFP initiatives for time and staffing estimates and initial technical designs.

I participated in infrastructure design and development, including the development and documentation of our design/development methodology and the development of standard document templates (including System Design, Risk Reduction, System Requirements, RFQ/RFP, and System Test Plan templates).

I developed a series of standard low-level, mid-level, and high-level infrastructure components and tools to provide a common framework for data validation, data access, error handling, session management, site configuration, and common utility functions. These standard components simplified the development process to a "building-block" style, which used and extended the standard components and allowed the flexibility to write

project-specific components. High-level infrastructure components included internally used applications to provide time-tracking facilities, work order request management, and resource scheduling.

Clients:

- Pearson Education, Inc. [help.englishsuccess.com]
- Blue Cross/Blue Shield of Florida [shopblue.bcbsfl.org]
- Blue Cross/Blue Shield of Florida [internal call-center site]
- Vector Group, Inc. [internal call-center site]

Osprey Systems, Inc.

3/1999 – 3/2001

Senior Consultant - Debix Systems, Inc.

vb6 asp-classic vbscript css html sql-server user-interface user-experience architecture
project-management

[Debix Systems, Inc. closed operations in 2002.]

This project began as a B2C website selling stored-value, pre-paid charge cards backed by the MasterCard Network, on which I was the primary developer. I assisted in the technical architecture and design of the website, database, and hardware infrastructure. The site developed into a B2B site, where I was again the primary developer and assisted in the technical architecture and design of the website, database, and integration into the existing site. The site then became a "platform," where I assisted in integrating the back-end processing logic with the Beenz *[Beenz was a UK-based "online-cash" company]* website. I also assisted in porting the entire site to a new Debix client, College Parents of America (www.collegeparents.org). *[College Parents of America has since changed providers for this feature.]*

In addition to my development responsibilities for this client, I acted as a technical lead and mentor to the development team (12 developers, 3 graphics designers, and 3 business consultants). I also assisted the project manager in scheduling/estimating times to completion, delegating development assignments, ensuring that development work stayed within budget (hours), and acting as quality control. This site used SiteServer Commerce Edition, ASP, VB DLLs, a clustered SQL Server database, and load-balanced web servers. It included back-end integration with two banks for product fulfillment and one mailing center for promotional pre-mailers. I also developed a custom management and call-center application.

Senior Consultant - Jeffers Pet

vb6 asp-classic vbscript css html sql-server user-interface user-experience architecture
project-management e-commerce

This project was a B2C site for a Veterinary Supply company. The initial work done for this client consisted of developing a website for the "small pet" market – cats, dogs, birds, and "exotic small pets." I was the only developer on this project, which consisted of one business consultant, one graphics designer, and me. I assisted in the technical architecture and design of the website, database, and hardware infrastructure with another Senior Consultant. This site used SiteServer Commerce Edition, ASP, and SQL Server. I also helped develop a custom management site.

Senior Consultant - Lowes – Reliabil Doors

vb6 asp-classic vbscript css html sql-server user-interface user-experience architecture e-commerce

[Lowes has since removed the online store capabilities of this site and has chosen to sell this product in the retail market only.]

I was one of three developers for this client and assisted in the technical architecture and design of the web site and database, including a complete database driven nine-step custom configurator. This site was developed in approximately one month as compared to a normal development lifecycle of 3-6 months. This site is a B2C site and was developed using SiteServer Commerce Edition, ASP, and SQL Server.

Technical Resource/Mentor

I acted as a technical resource/mentor for the developer and business consultant working for these clients.

Clients:

- Cracker Barrel Old Country Stores [www.crackerbarrel.com]
- Hendrick Motor Sports [www.hendrickmotorsports.com]
- Jack Henry & Associates – FormSmart [www.formsmart.com]
- Parkdale Mills

Lockheed Martin Electronics & Missiles

8/1993 – 3/1999

Intranet Webmaster/Systems Administrator – Scientific Computing Operations Center (1/1997 – 3/1999)

`unix shell cgi apache php sysadmin oracle ms-access access-vba user-interface user-experience`

I developed an Intranet site for the department utilizing an Apache web server running on an HP-UX 9.x server. This site utilized UNIX shell script as the CGI language and included read-only access into an Oracle 7.3.3 database on an HP-UX 9.x server. I was also a UNIX (Sun, HP, and SGI) systems administrator responsible for NFS support, NIS support across two NIS domains, user support, and application support (installation, maintenance, and user support).

I led a process improvement group, participated in the configuration and control board, and helped update the department's policies and procedures. I automated software license tracking procedures. I also streamlined the software inventory process using Microsoft Access as a back-end data source and a front-end GUI application.

I also developed and enhanced a set of shell scripts that automated workstation and server hardware health and configuration tracking. These scripts ran daily across all of the UNIX workstations and servers (Sun, HP, and SGI), consisting of approximately 1000 systems.

Staff Engineer – Comanche EOSS (8/1993 – 12/1996)

`unix c ada assembly php mysql oracle oracleforms apache user-interface user-experience`

I developed embedded process software in C, Ada, and Texas Instruments DSP Assembler, writing the TI DSP self-test routines for part of the hardware diagnostics. I also began implementing a serial communication layer in Ada between the servo motor controls and the software user interface.

In addition to these responsibilities, I assisted in the Comanche Software Library, which included data storage and updating using an Oracle Forms application and updating Library policies and procedures. I assisted in technical document preparation using FrameMaker. I developed and enhanced a series of CASE utilities written in C for Teamwork. I also developed the preliminary Comanche Intranet site running the Apache server on a SunOS system and utilizing PHP as the scripting language connected to a MySQL database.

INDEPENDENT SOFTWARE DEVELOPMENT EXPERIENCE

Medical Information

`c# silverlight windows-phone-7`

A digital medical information card similar to the one many people carry in their wallets.

- Windows Phone

Flash Cards: Sight Words, Numbers, Alphabet, Shapes

`c# xaml windows-store-apps`

These are individual flashcard apps which are the digital equivalent of paper flashcards to help young children (pre-school through Grade 3) learn sight words, recognize numbers (and learn to count), upper/lower-case

letters, and basic shapes. These were written in C# and XAML and ran on Windows 8 and Windows RT. The applications leveraged a reusable code base, allowing the easy creation of new flashcard applications.

- Sight Words
- Numbers
- Shapes
- Alphabet
- Colors

OPEN SOURCE PROJECTS

<https://github.com/scottdorman>

bootstrap-flat

Creator, Primary Contributor

css less

A simple flat theme for Bootstrap 3.

Cadru

Creator, Primary Contributor

c#

A helpful utility framework containing new APIs and extensions to the core .NET Framework to help complete your developer toolbox.

MSBuildContrib

Creator, Primary Contributor

C# msbuild

Tasks and tools that aren't part of the main MSBuild release. Mostly a port of the tasks available in NAntContrib.

jQuery goTop

Creator, Primary Contributor

jquery javascript

jQuery goTop is a <2KB scroll to top jQuery plugin.

Essential Extensions

Creator, Primary Contributor

visual-studio visual-studio-extension

A set of extension packs to create the ultimate Visual Studio editor experience.

assembly-build-versioning

Creator, Primary Contributor

assembly-versioning msbuild

A standardized mechanism that supports shared/common assembly versioning at build time through MSBuild.

microsoft-terminal-settings

Creator, Primary Contributor

terminal-themes

A collection of profiles, color schemes and other settings for Windows Terminal.

danvers

Creator, Primary Contributor

[jekyll-theme](#) [blog-theme](#) [jekyll-blog](#)

A Bootstrap 4-based Jekyll blog theme.

PUBLICATIONS

Books

Sams Publishing

- Sams Teach Yourself Visual C# 2010 in 24 Hours
- Sams Teach Yourself C# 5.0 in 24 Hours
- Sams Teach Yourself C# 6 in 24 Hours (working title, available July 2015)
- Sams Teach Yourself Windows Phone 7 Application Development in 24 Hours

Articles

The Code Project

- SafeHandle and Constrained Execution Regions
- Using managed code to detect what .NET Framework versions and service packs are installed
- Using managed code to detect if IIS is installed and ASP/ASP.NET is registered
- Data Binding an Enum with Descriptions
- Implementing IDisposable and the Dispose Pattern
- An easy to use URL file downloader class for .NET
- CodeProject Forum Guidelines

InformIT

- Understanding Classes and Objects the C# Way
 - Code Contracts in .NET 4
 - Choosing an Application Framework for Windows Phone 7 Application Development
-

SPEAKING ENGAGEMENTS

Asynchronous Programming in .NET 4.5

- Southwest Florida Code Camp (2012)
- Tampa Code Camp (2012)

Chalk Talk – Code Style and Standards

- Microsoft TechEd (2007 [BOF11], 2008 [BOF864])
- Orlando Code Camp (2012, 2019)
- South Carolina Code Camp (2007)
- South Florida Code Camp (2008, 2009)
- Southwest Florida Code Camp (2008, 2009, 2010, 2012)
- Jacksonville Code Camp (2008, 2007)

- Tampa Code Camp (2007, 2012, 2017)

Garbage Collection in .NET

- Jacksonville Code Camp (2007)
- South Carolina Code Camp (2007)
- South Florida Code Camp (2008)

Memory Management Fundamentals – Garbage Collection Deep Dive

- Accuosft (2013)
- Jacksonville Code Camp (2008)
- Orlando Code Camp (2008, 2009, 2011, 2012)
- Sarasota Developers Group (2009)
- South Florida Code Camp (2009)
- Southwest Florida Code Camp (2008, 2009, 2012)
- Tampa Code Camp (2008, 2009, 2010, 2012, 2014, 2017)

Memory Management Fundamentals – IDisposable and the Dispose Pattern

- Accuosft (2013)
- Jacksonville Code Camp/Code Impact (2008, 2017)
- Orlando Code Camp (2008, 2009)
- Sarasota Developers Group (2009)
- South Florida Code Camp (2009)
- Southwest Florida Code Camp (2008, 2009, 2012)
- Tampa Code Camp (2008, 2009, 2010, 2014, 2017, 2018)

Understanding Lambda Expressions

- Southwest Florida Code Camp (2009)
- Tampa Code Camp (2008, 2009)

What's New in C# 4.0

- Southwest Florida Code Camp (2010)
- Tampa Code Camp (2010)

COMMUNITY INVOLVEMENT

Codestyle.co

creator

An open-source initiative that centralizes code style and standards guidelines. The guidelines are maintained as an open GitHub repository to allow easy community involvement in maintaining the standards.

<https://codestyle.co>

Languagespecs.info

creator

An open-source initiative that provides an easy way to find the formal language specification for your favorite programming languages.

<https://languagespecs.info/>

WP Requests

creator

A UserVoice community site lets companies easily see just how much interest there is in seeing their app on Windows Phone.

<http://wprequests.uservoice.com>

WinStore Requests

creator

A UserVoice community site lets companies easily see just how much interest there is in seeing their app as a Windows Store app.

<http://winstorerequests.uservoice.com>

TampaDev

co-founder

TampaDev is a "meta" group designed to help the broad developer community have a single and centralized resource to find meetings and user group information.

<http://www.meetup.com/TampaDev/>

Hour of Code

host

Hosted an Hour of Code, a one-hour introduction to computer science designed to demystify code and show that anybody can learn the basics with support and material from Hour of Code and Code.org.

<http://hourofcode.com/us/>

- December 2013

EDUCATION

University of Central Florida

12/1997

Orlando, FL

Bachelor of Science – Computer Science

- General programming/software engineering
- Database theory/design

Bachelor of Arts – Interpersonal Communication

- Organizational/Business Communication
- Small Group Theory and Dynamics